

Outline

- Background on Volunteered Geographic Information (VGI)
- Examples:
 - Open Street Map
 - Navteq Map Reporter
 - Tele Atlas / TomTom
 - Google Maps
- The Issue of Authority
- Esri: Community Basemap

Volunteered Geographic Information: VGI

- VGI: A subset of UGC: User-Generated Content
- Mike Goodchild: "Citizens as Sensors: the World of Volunteered Geography"
- "Crowdsourcing"
- UGC: Wikipedia and Amazon



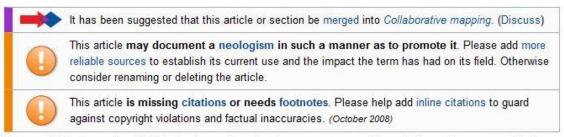
Main page Contents Featured content Current events Random article Donate

- Interaction
 About Wikipedia
 Community portal
 Recent changes
 Contact Wikipedia
 Help
- ▶ Toolbox
- Print/export
- Languages
 Español

Article Discussion Read Edit View history Search Q

Volunteered Geographic Information

From Wikipedia, the free encyclopedia



Volunteered Geographic Information (VGI) is the harnessing of tools to create, assemble, and disseminate geographic data provided voluntarily by individuals (Goodchild, 2007)^[1]. Some examples of this phenomenon are Wikimapia, OpenStreetMap, and Google MyMaps. VGI can also be seen as an extension of critical and participatory approaches to geographic information systems^[2] and as a specific concern within online or web credibility^[3]. These sites provide general base map information and allow users to create their own content by marking locations where various events occurred or certain features exist, but aren't already shown on the base map.

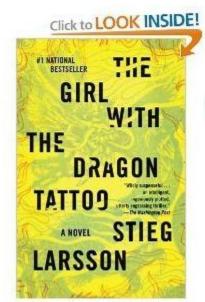
VGI is a special case of the larger Web phenomenon known as user-generated content^[4].

References [edit]

- 1. A Goodchild, M.F. (2007). Citizens as sensors: the world of volunteered geography. GeoJournal, 69(4):211-221
- A Elwood, S. 2008. Volunteered Geographic Information: Future Research Directions Motivated by Critical, Participatory, and Feminist GIS. GeoJournal 72(3 & 4): 173-183.
- 3. ^ Flanagin, A. J., & Metzger, M. J. (2008). The credibility of volunteered geographic information. GeoJournal, 72, 137-148.
- 4. A Graham, M. 2010. Neogeography and the Palimpsests of Place. Tijdschrift voor Economische en Sociale Geografie. 101(4), 422-436.

Categories: Cartography | Collaborative mapping | Sexually transmitted diseases and infections

amazon.com	Hello. Sign in to get personalized recommendations. New customer? Start here. Your Amazon.com Today's Deals Gifts & Wish Lists Gift Cards						
Shop All Departments	Search	Books	S				GO
Books	Advanced	Search	Browse Subjects	New Releases	s Bestsellers	The New York Times® Bestsellers	Lib
The Girl with the Dragon	Tattoo a	nd ove	er 700,000 othe	er books are	available for	r Amazon Kindle – Amazon	ı's n





The Girl with the Dragon Tattoo [Paperback]

Stieg Larsson (Author), Reg Keeland (Translator)

★★★☆ ▼ (2,048 customer reviews)

List Price: \$14.95

Customer Reviews

2,048 Reviews

5 star:	(885)
4 star:	(483)
3 star:	(229)
2 star:	(194)
1 star:	(257)

Average Customer Review

*** (2,048 customer reviews)

Most Helpful Customer Reviews

1,657 of 1,762 people found the following review helpful:

★★★★ This Swedish bestseller deserves to be a blockbuster here too., August 25, 2008

By <u>K. M. "literary devotee"</u> ✓ (California) - <u>See all my reviews</u>

This review is from: The Girl with the Dragon Tattoo (Hardcover)

A 24-year-old computer hacker sporting an assortment of tattoos and body piercings and afflicted with Asperger Syndrome or something of the like has been under state guardianship in her native Sweden since she was thirteen. She

Open Street Map: OSM

- Reaction to Great Britain Ordinance Survey "Crown Copyright"
- Very successful in Europe
- Great contribution in Haiti following the January earthquake
- But outcome in USA remains to be seen



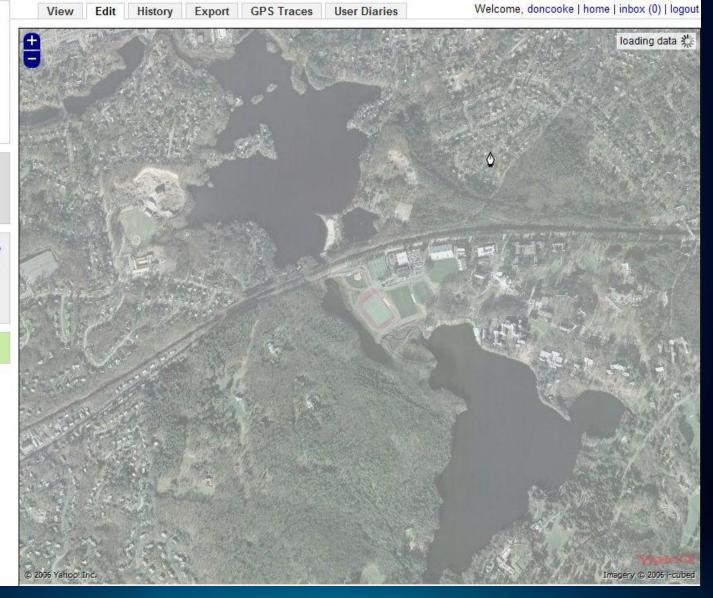
Help & Wiki Copyright & License News blog Shop

Search Where am I?

Go

examples: 'Alkmaar', 'Regent Street, Cambridge', 'CB2 5AQ', or 'post offices near Lünen' more examples...

Make a Donation





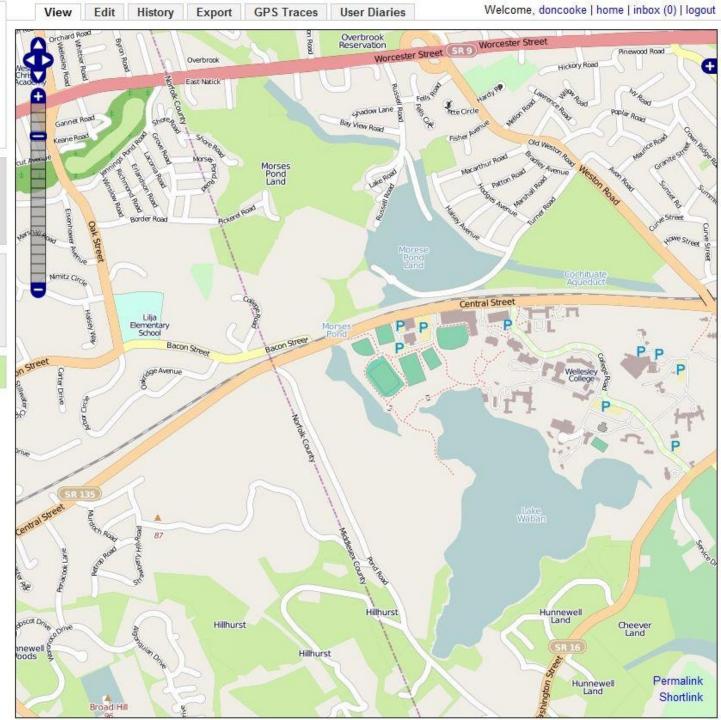
Help & Wiki Copyright & License News blog Shop Map key

Search Where am !?

Go

examples: 'Alkmaar', 'Regent Street, Cambridge', 'CB2 5AQ', or 'post offices near Lünen' more examples...

Make a Donation



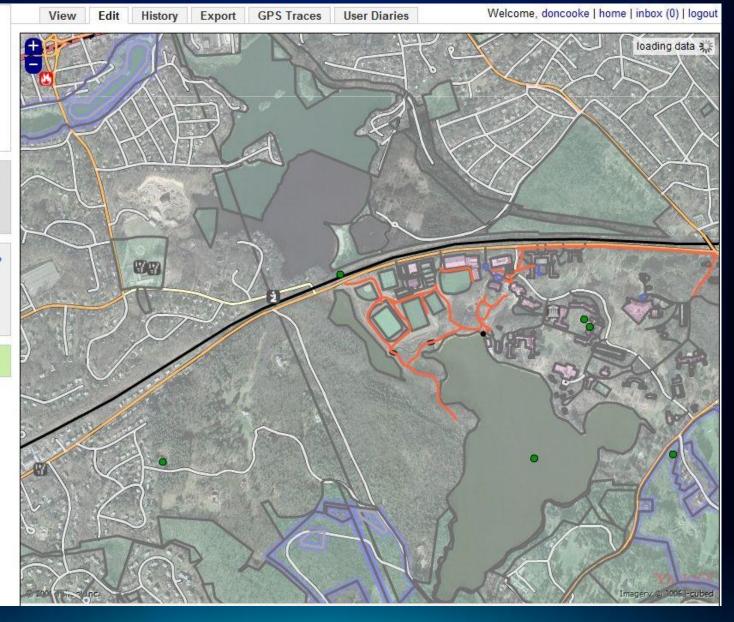


Help & Wiki Copyright & License News blog Shop

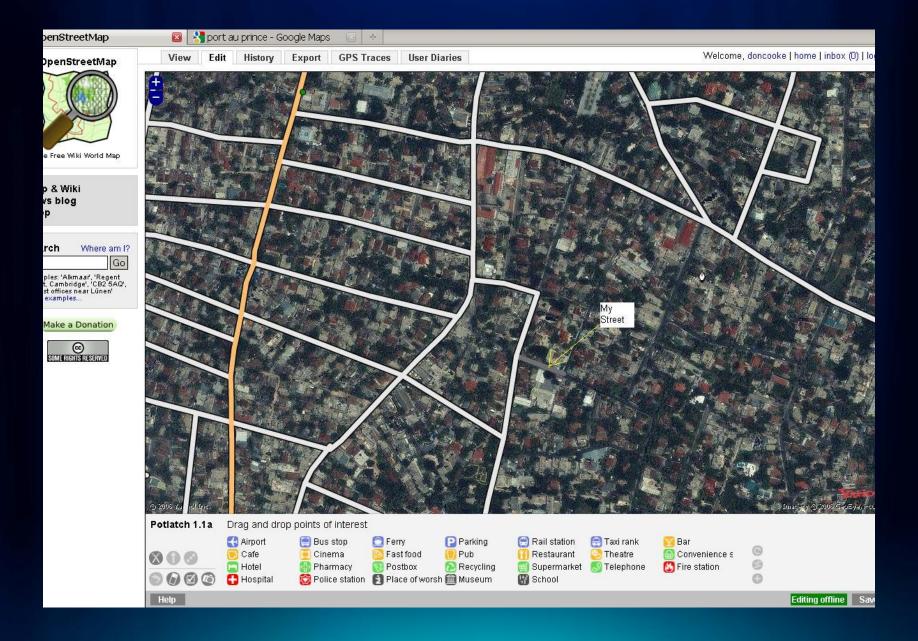
Search Where am I?

Go examples: 'Alkmaar', 'Regent Street, Cambridge', 'CB2 5AQ', or 'post offices near Lünen' more examples...

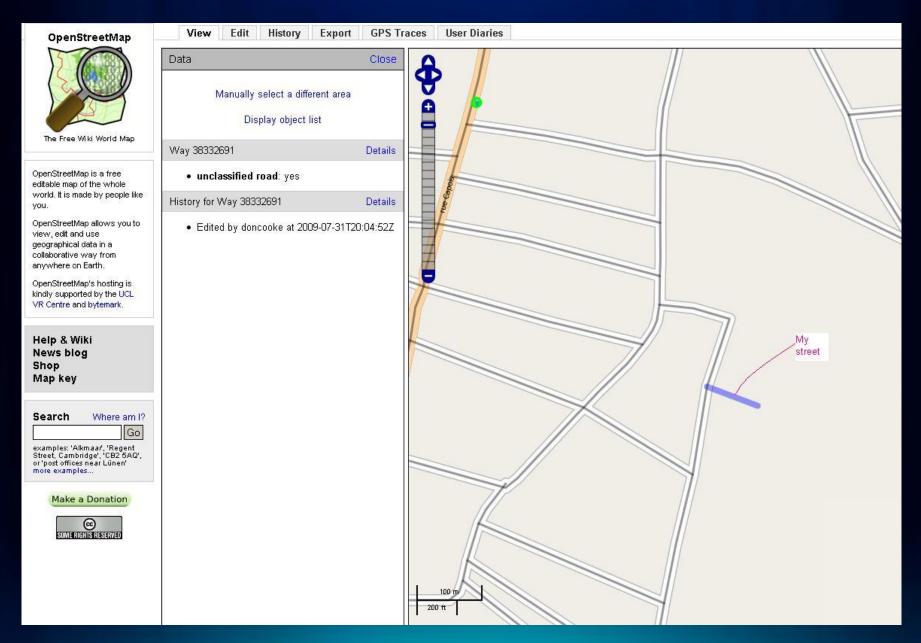
Make a Donation

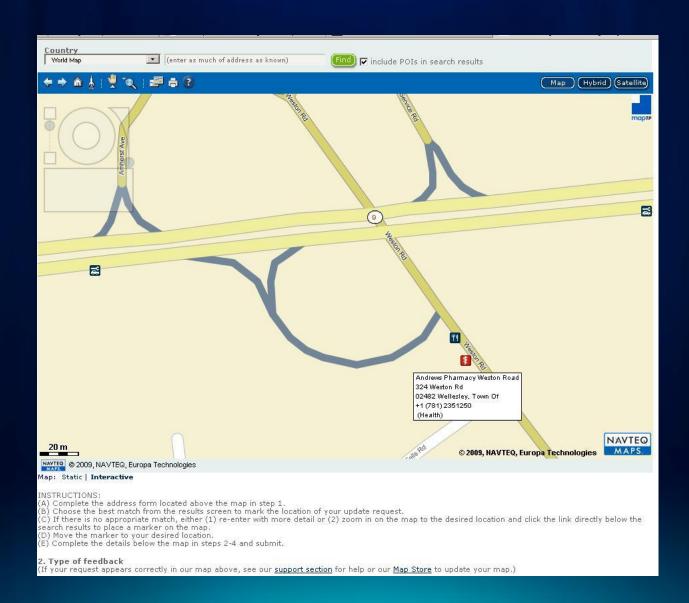


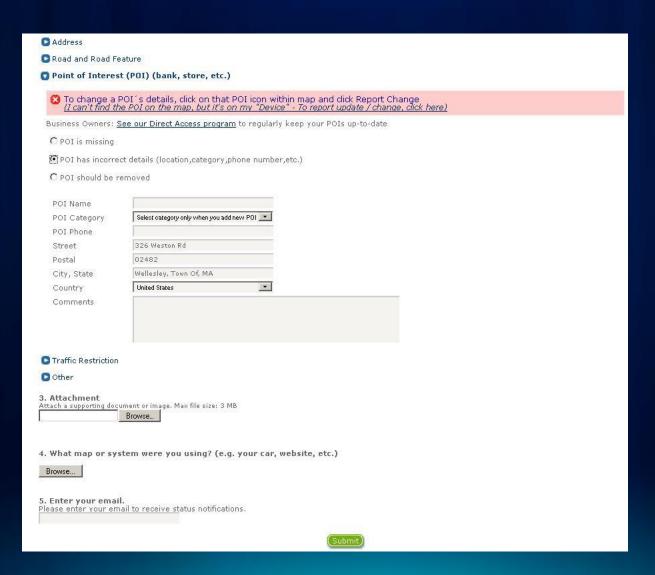
Open Street Map: Adding a Street in Port-au-Prince, Haiti

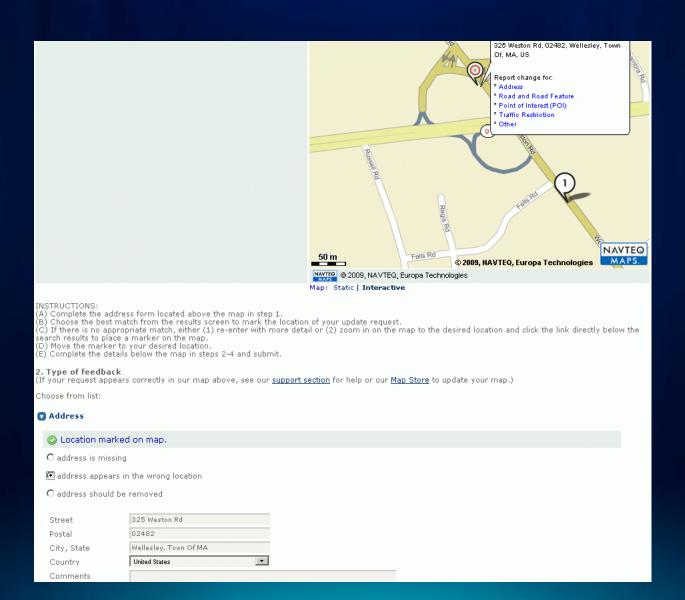


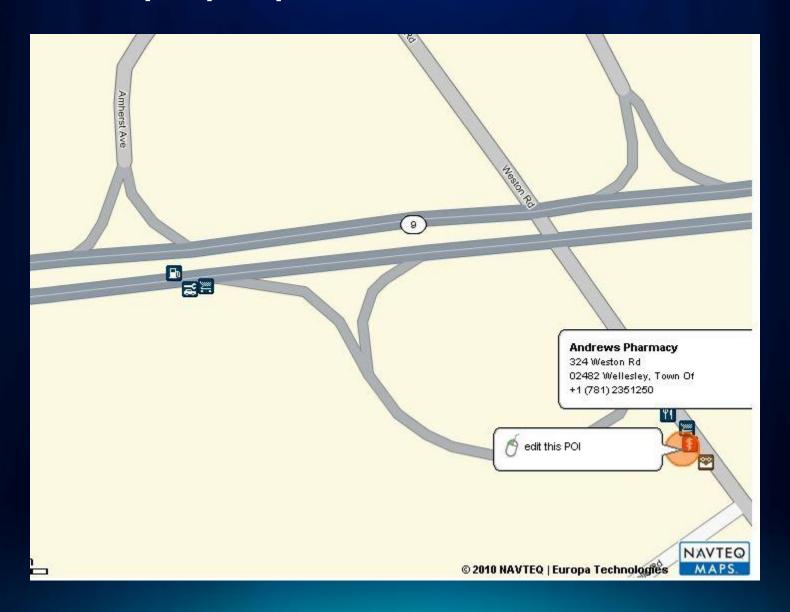
Open Street Map: Adding a Street in Port-au-Prince, Haiti

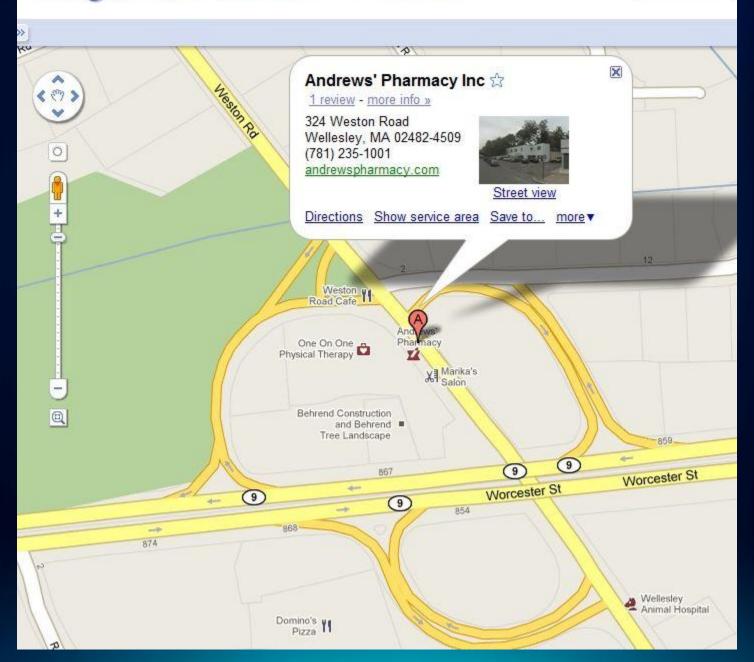








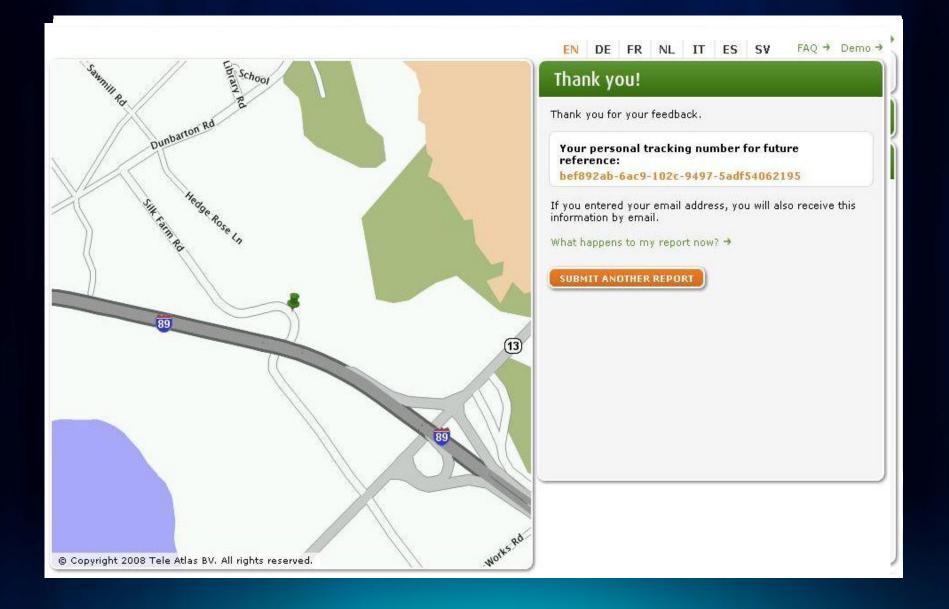


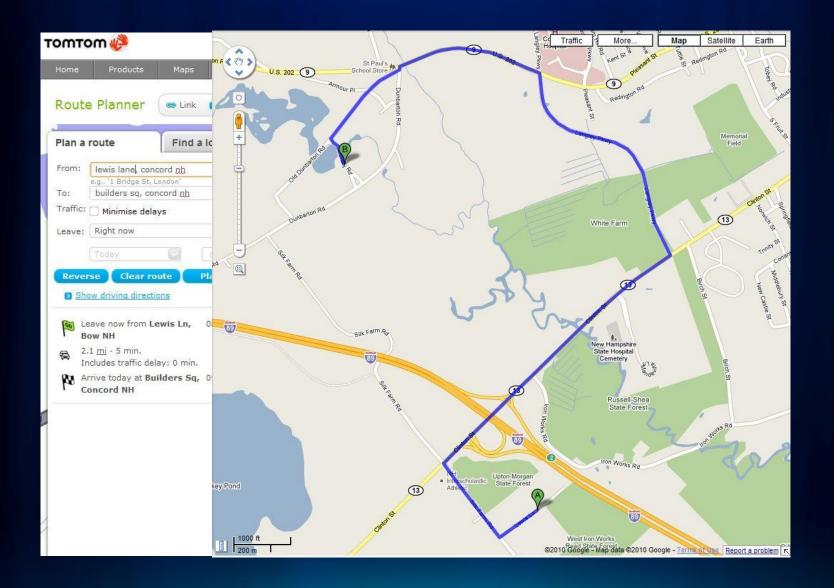


Tele Atlas and TomTom

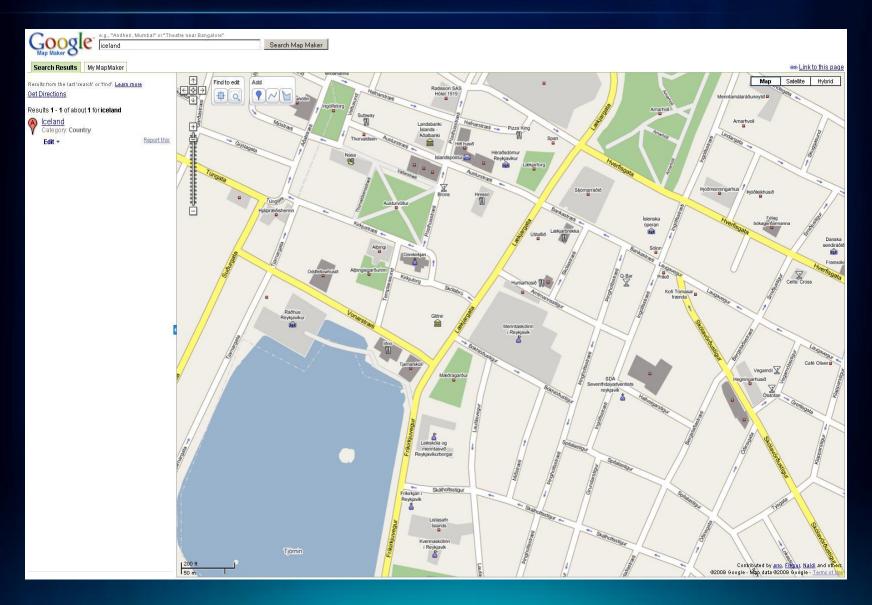
- MapInsight: Tele Atlas; browser-based
- MapShare: TomTom; PNAV-based
- Active VGI vs. Passive VGI

Tele Atlas and TomTom

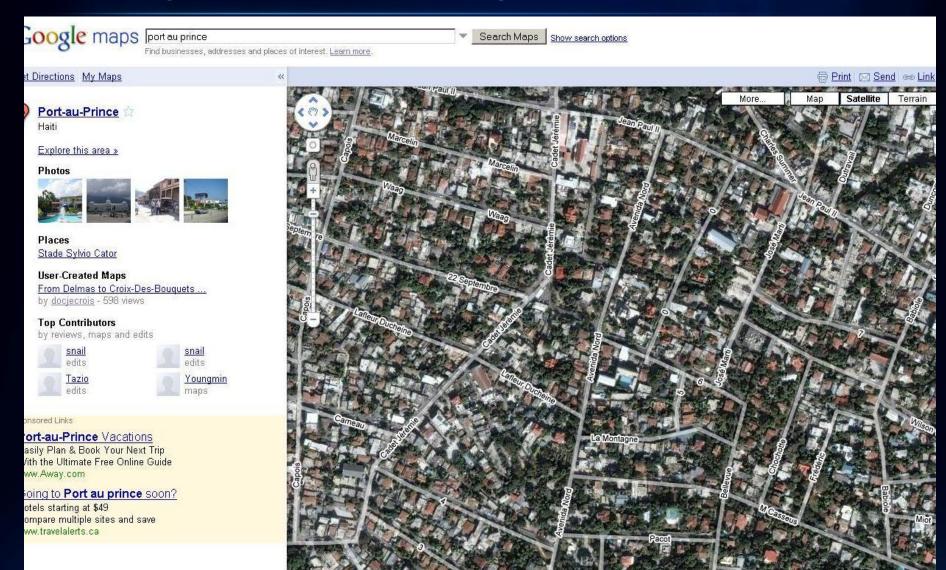




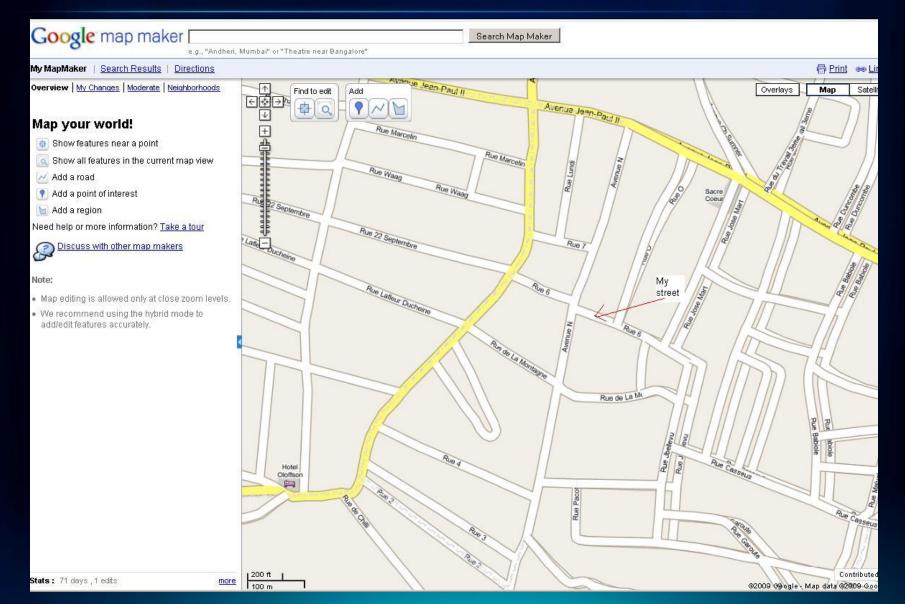
Google Maps: Google Map Maker, Iceland



Google Maps: Haiti, in progress



Google Maps, Haiti, in progress, with redigitizing

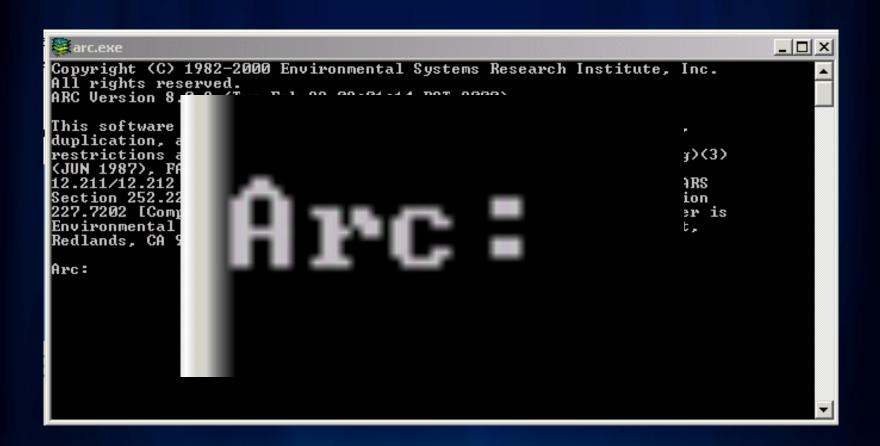


Google Maps

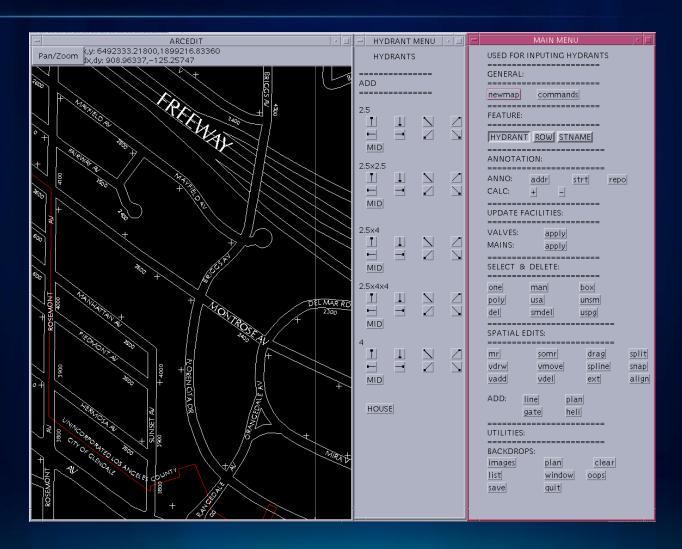
Authority

- Authority is the key issue in VGI
- When does the crowd become authoritative?
- Anecdote: Spoofing TomTom

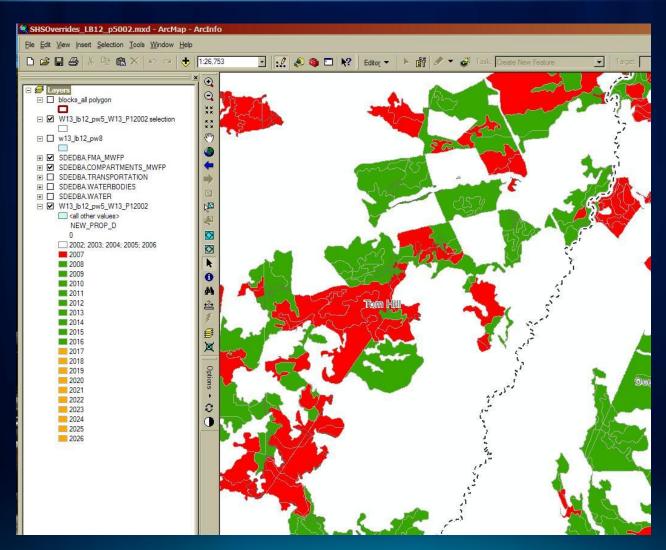
Community Basemap Program: Historical Context



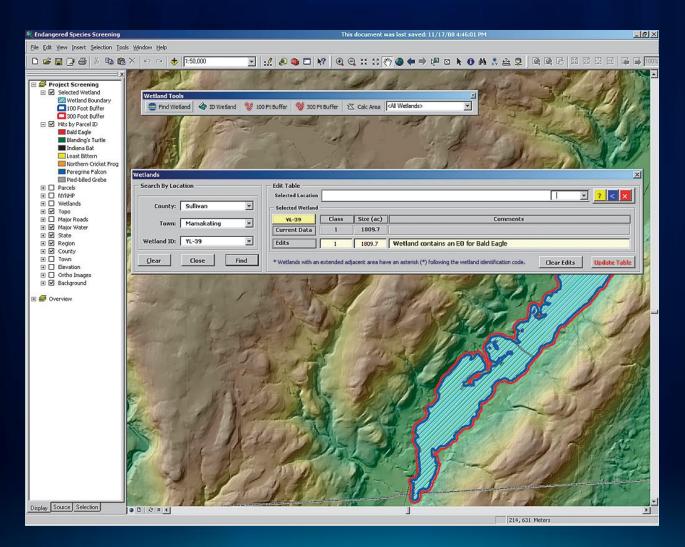
- The ArcInfo era:
- 1980s and 1990s
- Map digitizing
- Before: paper and mylar
- After: Shapefiles and GeoDatabases
- Application development: AML (Arc Macro Language)



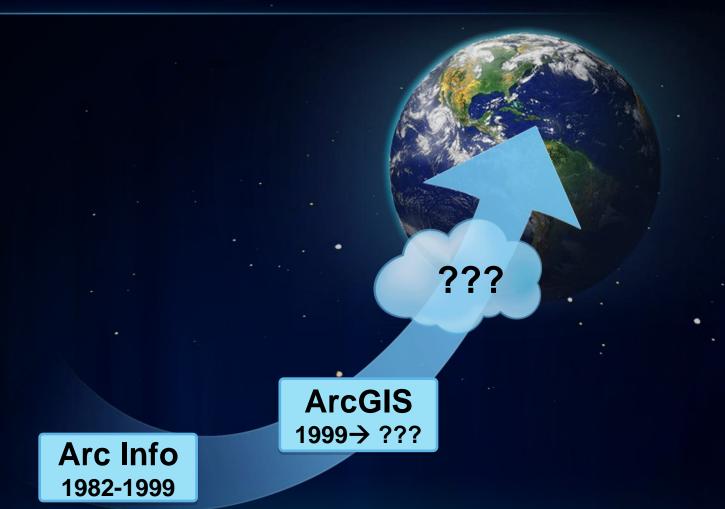
AML Application to streamline GIS database production



- The ArcGIS era:
- 2000 to present (and future)
- Map Digitizing is mostly finished
- Before: Shapefiles and GeoDatabases
- After: Shapefiles and GeoDatabases
- Application Development: ArcObjects, VBA, Python



What's the Next Step?

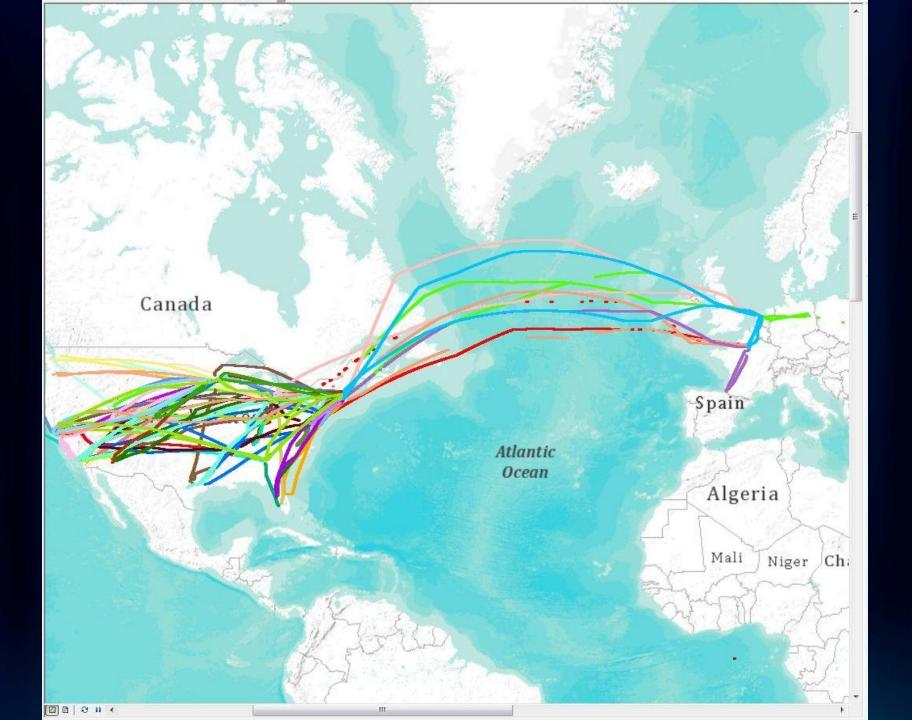


Trends since ArcGIS (1999)

- Microsoft and Google join MapQuest on the Web
- Neogeography , VGI, Web2.0
- Cloud Computing
- The iPhone and the iTunes Store

Community Basemaps at Esri

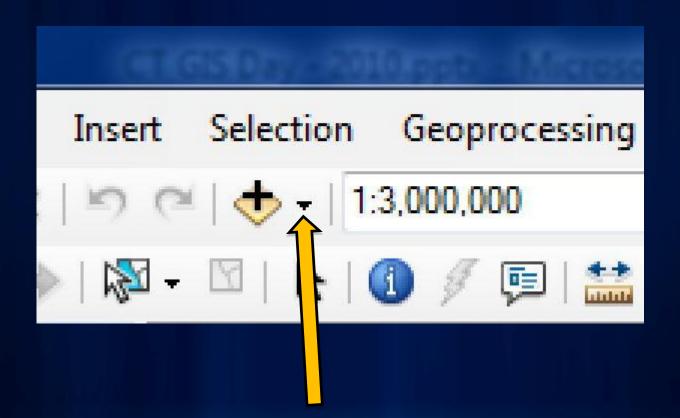
Why I like Basemaps



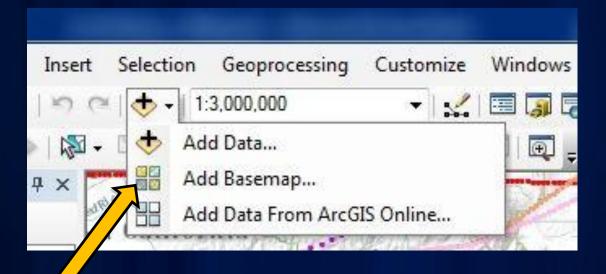
Add Data



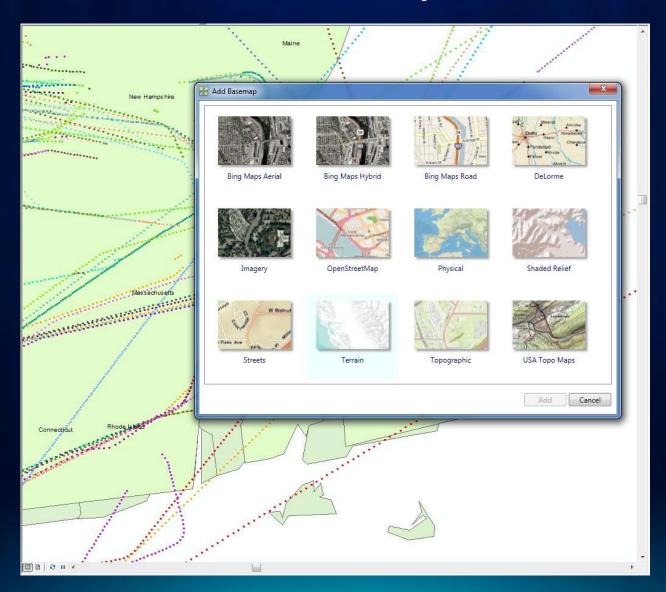
Add Data

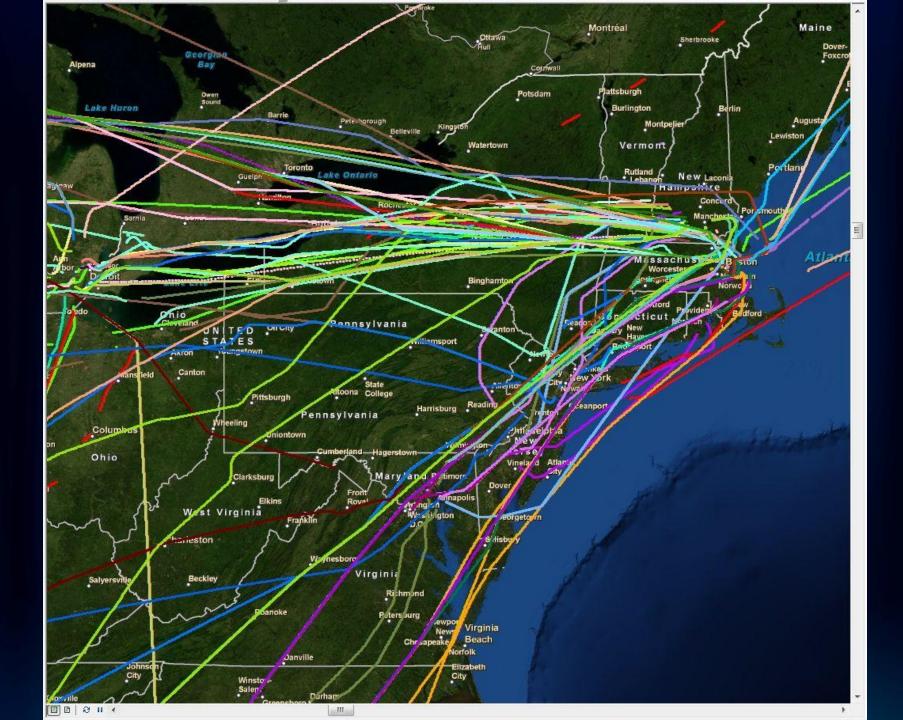


Add Basemap



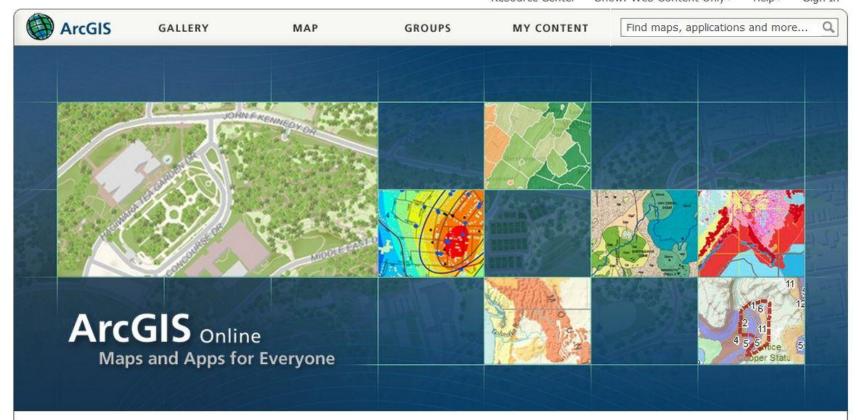
Add Basemap





ArcGIS 10

- ArcGIS 10 is totally web-enabled
- Emphasis on content more than ever before
- www.ArcGIS.com
- "Maps and Apps"



View the Gallery

See maps and apps from people and organizations worldwide.

View Groups

Work together with the people who share your interest.

Make a Map

Create a map you can view on the web, desktop and mobile devices.

Start ArcGIS Explorer Online

Use a rich application for working with ArcGIS online maps.

Learn More

ArcGIS is an online system for using geographic information everywhere.



Find maps, applications and more...

2

Featured Maps and Apps from the ArcGIS Community

Maps Web Apps Mobile Apps



H-GAC Regional Land Use (ArcGIS for iPhone map)



Indonesia Earthquakes and Volcanoes



Europe Basemap

)



Tulsa, Oklahoma

Search for more maps or click below to find the:

- Highest Rated
- Most Recent
- Most Viewed

What is a map?

Create your map and save it online.



Supermarket Access Map



Global Distribution of

Seagrasses-Points Dataset

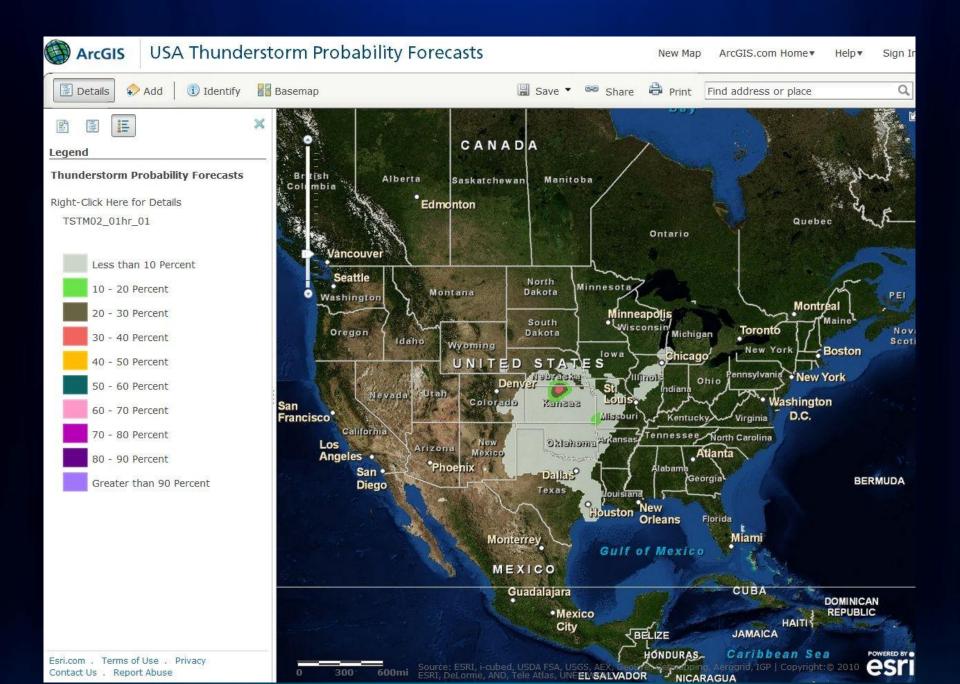
City of Nanaimo, British Columbia, Canada



State of Utah



USA Thunderstorm Probability Forecasts





USA Thunderstorm Probability Forecasts

New Map ArcGIS.com Home▼ Help▼ Sign In

Q















Print Find address or place



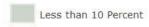




Legend

Thunderstorm Probability Forecasts

Right-Click Here for Details TSTM02_01hr_01













60 - 70 Percent

70 - 80 Percent

80 - 90 Percent

Greater than 90 Percent





Esri.com . Terms of Use . Privacy Contact Us . Report Abuse

Community Basemaps

- Beautiful cartography designed as background context for data
- 20 zoom level image cache, from global to neighborhood
- Hosted free in the cloud by Esri
- Maintained by authoritative sources: city and county GIS agencies
- Updated monthly
- Authorities' vector data remains property of agency
- Authorities' vector data can't be downloaded
- Maps stored by Esri in image format only
- Basemaps shared under Creative Commons license
- Integral part of ArcGIS 10
- Can be viewed on Desktop, Web (arcgis.com) and iPhone/Android

Why join Community Maps?



Why join Community Maps?



Crowdsourcing and Community Maps

Thank you!